

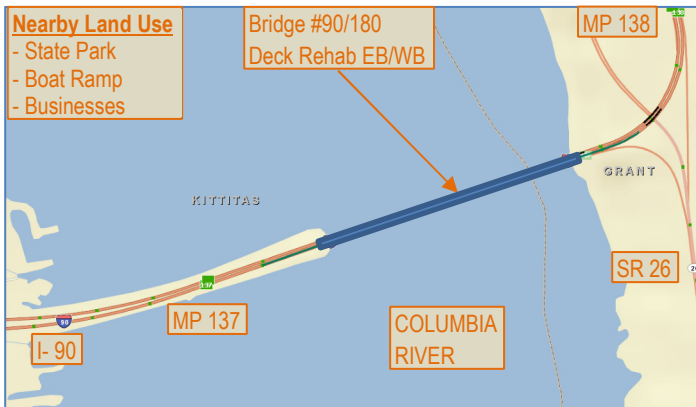
## I-90/VANTAGE BRIDGE - REPLACE DECK AND SPECIAL REPAIRS

### I-90, MP 137.10 – MP 137.77

#### Project Description (PIN: 509018V, 509017X)

Bridge Deck Rehabilitation – Bridge # 90/180

The I-90 Columbia River Bridge at Vantage is showing signs of deterioration due to normal wear and age. The existing bridge deck, columns and struts are deteriorated and in need of repair. This project will remove and replace the existing bridge deck and repair select columns and struts to maintain structural integrity, continue safe operation of the highway, and extend the life of the bridge. ■ **NCR I-90/East of Vantage – Drainage Improvement will also be included in this Work.**



Project Location (I-90 Columbia River at Vantage)

#### Pavement: (Concrete)

- Travel Lanes: 4 x 12 ft. Lanes
- 4 ft. Median on the bridge

**Pavement Thickness:** Approx. 6.5 inches.

#### Existing Utilities:

- One Fiberoptic conduit crossing

#### Environmental:

- NEPA/SEPA Permits, Coast Gaurd

#### Anticipated Traffic Impacts:

MINOR

MODERATE

**SIGNIFICANT**

Staged construction of the bridge rehab will allow one lane in each direction to remain open (EB/WB). This will also allow the interchanges to remain functional. Coordinate with local businesses in Kittitas and Grant counties. Significant traffic impacts/backup are anticipated.

#### Project Contacts:

- **Project Engineer:** Bob Hooker, P.E.
- **Asst. Project Engineer:** Madie Scully, P.E.
- **Design Supervisor:** Mike Roediger, P.E.
- **Construction Office:** Scott Golbek, P.E.
- **Communications:** Summer Derrey

#### Project Data:

- R5 – Rural-Interstate (Terrain: Rolling)
- Posted Speed: 70 MPH
- Average Daily Traffic (ADT): 17,000
- Truck Percentage: 23%

#### Delivery Method TBD:

- WSDOT Region Office: South Central DPEO
- Counties: Kittitas & Grant
- Preservation Project: P2 (Structure)

#### Stakeholders:

Commercial Vehicle Services, WSP, local businesses, state parks, emergency response services, North Central Region, Gorge Amphitheatre, Vantage

#### Project Milestones:

<b>D – Project Definition Complete</b>	<b>Feb 2021</b>
<b>B – Begin Preliminary Engineering</b>	<b>April 2021</b>
<b>E – Environmental Doc Complete</b>	<b>July 2022</b>
<b>A – Advertisement Date</b>	<b>Oct 2022</b>
<b>O – Operationally Complete</b>	<b>Nov 2025</b>

#### Current Action Items

##### Preliminary Design:

- VERA Workshop
- Preliminary Alignments (Crossovers)
- Determine Traffic Control Configuration
- Prepare Preliminary Cost Estimate

#### Design Team Assumptions:

- *Work Zone Speed = TBD*
- *One lane open each way during construction*
- *Two to Three construction seasons=TBD*

#### Budget

Federal & State Funds	<u>Prelim Eng.</u>	<u>Construction</u>	<u>TOTAL</u>
<b>Budget (Rounded):</b>	<b>\$2,400,000</b>	<b>\$35,900,000</b>	<b>\$38,300,000</b>